TECHNICAL DATA SHEET

[hiddn] Safeguarding your data anywhere

[hiddn]™ eSATA Plug&Protect

External eSATA encrypted bootable storage unit with 2.5'' SATA hard disk drive with capacities up to 1.5 TB (standard versions with 250 GB, 500 GB or 1 TB).

Meeting users' ever-increasing need for mobility and flexibility, the unique and exclusive [hiddn]™ eSATA exemplifies the concept "Plug & Protect"; plug it to the PC's eSATA-connector and authenticate for a bootable, fully encrypted, efficient, external storage media.
Combining full-disk encryption with mobility, the [hiddn]™ eSATA introduces ultra-fast and versatile protection of externally stored data – made for the mobile office! Incorporating the patented [hiddn]™ Crypto Module (CMx) functionality and features, with all keys stored on an external smart card, the [hiddn]™ eSATA offers full-disk encryption on-the-fly. [hiddn]™ eSATA is ideal for transport of data, back-up of data and/or as a bootable disk for Laptops without internal disk (for security purposes).

Encryption specifications:

- The [hiddn]™ eSATA unit is based on the FIPS validated encryption core and interfaces as enhanced (ref. specifications below) in the installed CM1, CM2 or on-board ASIC (depending on availability (CMx/ASIC)).
- Real-time AES256 encryption
- Without the physical Smartcard present, the storage media is inaccessible
- No encryption keys are stored on the storage media, all keys stored on the Smartcard.
  - Random generated Smartcards included (User card and Back-up card) with the AES256 encryption keys.
  - New Smartcard sets can be ordered – previous data will be lost (back-up to be taken before change)
- Low total cost of ownership
  - No licensing fees, no maintenance, no need for upgrades or services and zero end-of-life disposals cost.
- A Key Management System (KMS) can be provided for larger organisations for programming of cards in a corporate and secure environment.
- Patented encryption technology (US Patent, etc.)

Technical specifications:

- The [hiddn]™ eSATA unit can be delivered with 250 GB, 500 GB or 1 TB internal SATA hard disk drive (any capacity 2.5'' SATA drive can be installed).
- eSATA interface to PC / Laptop (supports eSATAp).
  - SATA-I (150 MB/s / 1.5 Gb/s)
- Operates in various PC-configurations:
  - AHCI (NCQ with zero queue depth (NO NCQ))
  - IDE/ATA (if supported on eSATA PC/Laptop port)
- Supports up to ATA6/ATAPI-6
  - Up to and including UDMA5 – 100 MB/s
  - Typical read: 65 - 75 MB/s
  - Typical write: 45 - 60 MB/s
- OS independent - Requires no special drivers
- Power:
  - Via eSATAp (power and data) – cable included
  - Power plug (5V DC) (power supply not included)
  - microUSB (power only - cable not included)
- Enclosure:
  - Aluminium extruded profile with plastic end-covers
  - Measurements: L: 152mm W: 78mm H: 34 mm
  - Weight: 0.410 kg incl. cable and 250 GB hard disk drive

The **[hiddn]™** product range includes **PREMIUM** – validated high-end client solutions for HW based full-disk encryption - and **PLUG & PROTECT –** an attractive fully commercial range of HW based full-disk encryption client solutions - **affordable encryption to anyone**.

Secury Products®

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